

Title (en)  
Absolute fixture positioning

Title (de)  
Absolutfixposition

Title (fr)  
Positionnement absolu d'accessoire

Publication  
**EP 2103864 A1 20090923 (EN)**

Application  
**EP 08103671 A 20080423**

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Abstract (en)  
The present invention relates to a lighting fixture comprising at least one fixed element, to which fixed element controllable moving elements are rotating fastened, where one moving element comprises at least one light source, which light source generates a beam of light, which lighting fixture comprises at least one internal processor. It is the scope of the invention is to automatic achieving information concerning positions of moving components in a lighting fixture. A further scope of the invention is to achieve correct position indication without at start up moving the components to their end stops for finding set points for step motors. This can be achieved in a lighting fixture if the lighting fixture further comprises at least one absolute encoding devices, which encoding devices are indicating the angular movement of a first input axel in relation to the encoding device, which absolute encoding devices comprises a gearbox, which gearbox comprises a second internal axel, which first input axle is driving a first toothed timing wheel, intermeshing with a second toothed timing wheel that rotates the second axel with a angular velocity different from the angular velocity of the first input axle.

IPC 8 full level  
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**F21V 21/15** (2013.01 - EP US); **G01D 5/04** (2013.01 - EP US); **G01D 5/145** (2013.01 - EP US); **F21W 2131/406** (2013.01 - EP US)

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Citation (examination)

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